

**Draft Guidance on Desoximetasone**

This draft guidance, once finalized, will represent the Food and Drug Administration's (FDA's) current thinking on this topic. It does not create or confer any rights for or on any person and does not operate to bind FDA or the public. You can use an alternative approach if the approach satisfies the requirements of the applicable statutes and regulations. If you want to discuss an alternative approach, contact the Office of Generic Drugs.

**Active Ingredient:** Desoximetasone

**Dosage Form; Route:** Spray; topical

**Recommended Study:** Request for waiver of in vivo bioequivalence study requirements

**Bioequivalence Study Recommendations:**

To qualify for a waiver of the in vivo bioequivalence (BE) study requirements under 21 CFR 320.22(b)(3), a generic desoximetasone 0.25% topical spray product must have the same active ingredient in the same concentration and dosage form as the reference listed drug product (RLD) and must not have an inactive ingredient or other change in formulation from the RLD that may significantly affect systemic or local availability.

For a topical drug product that differs from the RLD in inactive ingredients [as permitted by the chemistry, manufacturing, and controls regulations for abbreviated new drug applications (ANDAs), 21 CFR 314.94(a)(9)(v)], the regulation specifies that the applicant must identify and characterize the differences and provide information demonstrating that the differences do not affect the safety or efficacy of the proposed drug product. If the generic desoximetasone topical spray product has different inactive ingredients compared to the RLD or differences in the amounts of the same inactive ingredients that are proportionally more than +/- 5% compared to the RLD, then in vivo vasoconstrictor studies are recommended to establish BE with the RLD. Details regarding the design and analysis of vasoconstrictor studies can be found in the FDA guidance on topical dermatological corticosteroids (available for reference online at <http://www.fda.gov/downloads/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/ucm070234.pdf>). For a generic desoximetasone 0.25% topical spray, the recommended two studies are as follows:

**Study 1:**

Type of Study: Vasoconstrictor study  
Study Design: Pilot dose duration-response study under un-occluded conditions  
Product Strength: 0.25%  
Study Subjects: Healthy males and nonpregnant females, general population

**Study 2:**

Type of Study: Vasoconstrictor study  
Study Design: Pivotal in vivo BE study under un-occluded conditions  
Product Strength: 0.25%  
Study Subjects: Healthy males and nonpregnant females, general population